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# **Q&A**

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**Exam** : **EX294**

**Title** : Red Hat Certified Engineer  
(RHCE) exam for Red Hat  
Enterprise

**Version** : DEMO

### 1.CORRECT TEXT

Create a file called packages.yml in /home/sandy/ansible to install some packages for the following hosts. On dev, prod and web servers install packages httpd, mod\_ssl, and mariadb. On dev only install the development tools package. Also, on dev host update all the packages to the latest.

**Answer:**

Solution as:

```
---
- name: install pack
  hosts: dev, test, web servers
  become: true
  tasks:
    - name: install on all hosts in this play
      yum:
        name:
          - httpd
          - mod_ssl
          - mariadb
        state: latest
    - name: install on dev only
      yum:
        name:
          - '@Development tools'
        state: latest
      when: "dev" in group_names
```

\*\* NOTE 1 a more acceptable answer is likely 'present' since it's not asking to install the latest state: present

\*\* NOTE 2 need to update the development node

-name: update all packages on development node

yum: name: '\*' state: latest

### 2.CORRECT TEXT

Create an empty encrypted file called myvault.yml in /home/sandy/ansible and set the password to notsafepw. Rekey the password to iwej fj2221.

**Answer:**

ansible-vault create myvault.yml Create new password: notsafepw Confirm password: notsafepw  
ansible-vault rekey myvault.yml

Current password: notsafepw New password: iwej fj2221 Confirm password: iwej fj2221

### 3.CORRECT TEXT

In /home/sandy/ansible/create a playbook called logvol.yml. In the play create a logical volume called lv0 and make it of size 1500MiB on volume group vg0. If there is not enough space in the volume group print a message "Not enough space for logical volume" and then make a 800MiB lv0 instead. If the volume group still doesn't exist, create a message "Volume group doesn't exist". Create an xfs filesystem on all lv0 logical volumes. Don't mount the logical volume.

**Answer:**

Solution as:

```
- name: hosts
hosts: all
tasks:
- name: create partition
  parted:
    device: /dev/vdb
    number: 1
    flags: [ lvm ]
    state: present
- name: create vg
  lvg:
    vg: vg0
    pvs: /dev/vdb1
  when: ansible_devices.vdb.partitions.vdb1 is defined
- name: create logical volume
  lvol:
    vg: vg0
    lv: lv0
    size: 1500m
  when: ansible_lvm.vgs.vg0 is defined and ( (ansible_lvm.vgs.vg0.size_g | float ) > 1.5)
- name: send message if volume group not large enough
  debug:
    msg: Not enough space for logical volume
  when: ansible_lvm.vgs.vg0 is defined and ( (ansible_lvm.vgs.vg0.size_g | float ) < 1.5)
- name: create a smaller logical volume
  lvol:
    vg: vg0
    lv: lv0
    size: 1500m
  when: ansible_lvm.vgs.vg0 is defined and ( (ansible_lvm.vgs.vg0.size_g | float ) < 1.5)
- name: create fs
  filesystem:
    dev: /dev/vg0/lv0
    fstype: xfs
  when: ansible_lvm.vgs.vg0 is defined
```

#### 4.CORRECT TEXT

Create a playbook called regulartasks.yml which has the system that append the date to /root/datefile every day at noon. Name is job 'datejob'

**Answer:**

Solution as:

```
- name: Creates a cron file under /etc/cron.d
cron:
  name: datejob
  hour: "12"
  user: root
  job: "date >> /root/ datefile"
```

5.CORRECT TEXT

Create an ansible vault password file called lock.yml with the password reallysafepw in the /home/sandy/ansible directory. In the lock.yml file define two variables. One is pw\_dev and the password is 'dev' and the other is pw\_mgr and the password is 'mgr' Create a regular file called secret.txt which contains the password for lock.yml.

**Answer:**

ansible-vault create lock.yml New Vault Password: reallysafepw Confirm: reallysafepw

In file:

```
pw_dev: dev
pw_mgr: mgr
```